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*Iveco examples of  
"technological excellence"*



*Iveco's current engine offerings include this N60 ENT and C13 ENT six-cylinders as well as the Vector V8.*

# Emissions regulations uphold 'technological excellence'

**T**he on- and off-highway mobility industries are some of the most regulated due to the strict emissions requirements in the development of diesel engines, which affect the future of all powertrains. Manufacturers have to stay on the cutting edge to provide engines that have tangible performance improvements as well as significant pollutant reductions. As emissions requirements keep on advancing and become more stringent, manufacturers must focus on the future.

The recent history of internal-combustion engines has proven the dramatic extent to which emissions have been cut. The diesel engine itself has seen revolutionary results, and the new technologies we've commercialized—such as common rail injection systems, EGR (exhaust gas recirculation) and SCR (selective catalytic reduction) devices, and engine electronic fuel management—are already capable of meeting future regulations. We are convinced that diesel engine technology is the cleanest as well as the most versatile and efficient for the road transport industry—today and in the future.

These advancements have been introduced to provide outstanding efficiency improvements, and we only see these changes as the beginning. In recent years, changes to emissions regulations have been particularly effective in lowering pollution levels. Embracing these changes and strict regulations in the development of engines significantly reduces pollutants while also improving engine performance.

We welcome new emissions requirements as both an opportunity to protect the environment and as a way to uphold our "technological excellence" distinction. Our global profitability and growth is in the way we market technologies that simultaneously match new regulations. This then improves productivity on the road as well as safety, performance, and product life-cycle costs for our customers and end-users. As a global company focusing on worldwide expansion, it is important for **Iveco** to have the proper

technology for specific markets to sustain our global competitiveness.

Different areas of the world have different habits, infrastructures, and social welfare, but they all require the need to protect the environment as well as improve transport efficiency. Many require different regulations, or the same regulations, at different times. This is the driving force behind our engineers: to develop new technologies that are at the same time versatile and effective. For example, with the new Euro 4 European regulations, we have identified SCR as the key technology for medium- and heavy-duty products. In addition to a significant fuel consumption reduction, this technology is already capable of matching Euro 5 requirements. However, because of different customer and mission market segments, EGR has also been developed for any of our engines and is already available for light-duty commercial vehicles and buses.

We have recently launched Iveco Motors for our powertrain division, which is a complete full-application product line based on the most advanced technologies of the diesel industry. We are engaged in a steady development of its worldwide network, focusing on North and South America, China, and East Europe. Our growth in the aforementioned regions, and the completion of new engine families, permit us to be competitive in all power and application fields.

The future of powertrains will continue advancing with the stringent emissions requirements. Manufacturers will strive to produce cleaner and more sophisticated technological powertrains to provide customers with the best product available. Along with these advancements, powertrains will move toward a higher power density while becoming more efficient for the customer. With superior products and technologies, large-scale business capabilities, and efficient manufacturing facilities, manufacturers will continue to expand and improve their powertrain capabilities. *OHE*